PIANC USA Annual Meeting 2008

Maritime Navigation Commission Working Group 56

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Application of Geotextiles in Waterfront Protection

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- Objective of the Study
  - Produce a guideline for application of geotextiles in waterfront protection
- Expand from "geotextiles" to "geosynthetics"
- Glossary of Terms based on the Coastal Engineering Manual

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- Three meetings so far
  - Kick-off meeting September '07 Brussels
  - January '08 Brussels
  - May '08 Antwerp
  - October '08 Rotterdam
- Framework / Table of contents

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- Offshore Foundation Structures
  - Pipelines, weirs, sills and barriers
- Coastal Zone
  - Dune/beach, groins, breakwaters, revetments
- Flood Protection
  - Dikes, levees

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- Emphasis on Applications
- Product types
  - Geotextile bags and tubes
  - Soil reinforcement geotextiles
  - Marine mattresses
  - Seabed scour control
  - Fabric Grout forms and containers

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- Proper Use of Geosynthetics
- Range of permissible loads
  - Waves, currents, etc.
- Durability
  - Aging, vandalism, UV, etc.
- Environmental Aspects

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- Needs
  - More information on uses in waterfront applications
  - Pictures, case studies, cross sections, durability evaluations, lessons learned
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